**Appendix C**

**Agenda:**

Electrochemical/ Redox Reactions in Batteries

Matching activity

Demonstration

Handout (Q1-Q5) and Group Work

Presentation of Handout Answers

Definition of New Terms: oxidation, reduction, redox reaction, oxidizing agent, reducing agent, half reactions

Individual Work: Handout Questions (Q5-Q8)

Word Wall entry

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Home Fun:

Find out some redox reactions that occur in daily life.

Read Investigation 10-A and prepare grid on Pg 471

**Chalkboard Outline:**

Electrochemistry

Batteries: chemical energy 🡪 electrical energy

Matching Activity

Questions Answers

Demonstration Reaction Equations:

Group 1 Group 2 Group 3 Group 4

Correct Reaction Equations:

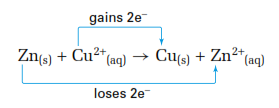


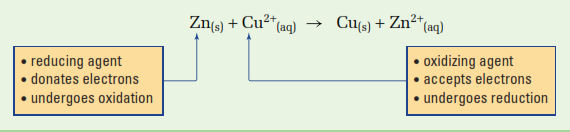
Total ionic equation:



Net ionic equation







**Half Reactions**

Oxidation:

 Notice Zn loses two electrons.

Reduction

Notice Cu gains two electrons

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Answers of Practice Questions by Students if time permits